COURSE DESCRIPTION
This is a graduate seminar that will cover some of the most current research in behavioral endocrinology – focusing specifically on animal social behavior. Each week we will read and discuss 2-4 primary research articles relating to a specific topic. 1-2 articles will be pre-selected, but the other 1-2 articles will be selected by the student moderator for that week. Weekly attendance and participation in discussion is required. Students will be evaluated based on their participation in discussions, their moderation of several seminars, and (for students taking the class for 3 credits) a final review paper on a topic of their choice.

COURSE MATERIALS
We will be selecting from among the primary literature for articles relevant to each week’s topic. When possible a review article (or the original article for an idea or hypothesis) should be selected to get everyone up to speed on a particular topic. Additionally, several articles documenting current research related to that topic should also be selected.

GRADING
- Participation in discussions .............................................................50% (65%)
- Paper selection, organization, preparation for leading discussions.........25% (35%)
- Review paper (~10 pp) .................................................................25%

SUGGESTED COURSE OUTLINE
Sep 04 (Tu) Organizational meeting
Sep 11 (Tu) Organization vs. activation hypotheses – BEEHNER
Sep 18 (Tu) Sex differences in hormones and behavior – BEEHNER
Sep 25 (Tu) Hormones and social system – BEEHNER
Oct 02 (Tu) Challenge hypothesis and intraspecific aggression - PAPPANO
Oct 09 (Tu) Hormones, immunosuppression, and handicaps - PAV
Oct 16 (Tu) FALL BREAK – no class
Oct 23 (Tu) Courtship and mating - ROBERTS
Oct 30 (Tu) Parenting behavior - PAPPANO
Nov 06 (Tu) Homeostasis and biological rhythms - ROBERTS
Nov 13 (Tu) Endocrinology of the stress response - THOMAS
Nov 20 (Tu) Hormones, cognition, and the social brain - PAV
Nov 27 (Tu) Hormones, fitness, and life history trade-offs - L
Dec 04 (Tu) Aging and senescence - THOMAS
Dec 11 (Tu) Wrap-up and Final Paper issues
Dec 14 (Fr) Final Paper Due – Email all papers to me by the end of the day. No hard copies, please.